

1 Docket No. VLK-001.01

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SMART-CACHING SYSTEM AND METHOD

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ABSTRACT OF THE DISCLOSURE

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Methods and systems to distribute cached information for efficient processing without overloading system resources. In an embodiment, VGENs can be implemented as software engines that can reside on a web server or another server that responds to requests for information in a networked environment. A hash table can identify whether a VGEN exists with cached information to process the request. If an available VGEN engine includes the cached information, the available VGEN is assigned to process the request; otherwise, another available VGEN can be selected to process the request, wherein the VGEN is augmented to include the cached information and the hash table is updated to reflect the VGEN statistics. VGENs can maintain persistent connections to databases, file systems, session manager daemons, real-time data sources, etc., to facilitate the processing of requests.